

WEST

Generate Collection

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: KR 235891 B1, EP 771662 A2, AU 9670566 A, JP 09183231 A, AU 702828 B, KR 98031937 A, SG 66801 A1

L7: Entry 1 of 2

File: DWPI

Dec 15, 1999

DERWENT-ACC-NO: 1997-247253

DERWENT-WEEK: 200112

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Ink absorbing body storing ink injected into ink tank - comprises surfactant deposited on the fibre surface before the ink is added

INVENTOR: ARASHIMA, T; HINAMI, J ; MATSUO, K ; SHIMIZU, E ; TAKAHASHI, W ; YAMAMOTO, H

PATENT-ASSIGNEE:

ASSIGNEE

CODE

CANON KK

CANO

PRIORITY-DATA: 1996JP-0280879 (October 23, 1996), 1995JP-0286231 (November 2, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 235891 B1	December 15, 1999	N/A	000	B41J002/175
EP 771662 A2	May 7, 1997	E	024	B41J002/175
AU 9670566 A	May 8, 1997	N/A	000	B41J002/175
JP 09183231 A	July 15, 1997	N/A	013	B41J002/175
AU 702828 B	March 4, 1999	N/A	000	B41J002/175
KR 98031937 A	July 25, 1998	N/A	000	B41J027/00
SG 66801 A1	August 17, 1999	N/A	000	B41J002/175

DESIGNATED-STATES: AT DE ES FR GB IT NL

CITED-DOCUMENTS: No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR 235891B1	November 1, 1996	1996KR-0051568	N/A
EP 771662A2	October 31, 1996	1996EP-0117529	N/A
AU 9670566A	November 1, 1996	1996AU-0070566	N/A
JP 09183231A	October 23, 1996	1996JP-0280879	N/A
AU 702828B	November 1, 1996	1996AU-0070566	N/A
AU 702828B		AU 9670566	Previous Publ.
KR 98031937A	November 1, 1996	1996KR-0051568	N/A
SG 66801A1	November 2, 1996	1996SG-0011016	N/A

INT-CL (IPC): B41J 2/175; B41J 27/00

ABSTRACTED-PUB-NO: EP-771662A
BASIC-ABSTRACT:

An ink absorbing body storing an ink injected into an ink tank for an ink-jet with capillary force between fibres comprises depositing 0.002-0.2 wt.% of a surfactant on the fibre surface before the ink.

Also claimed are: (i) an ink tank consisting of an ink absorbing body and a casing for it; (ii) an ink-jet cartridge composed of an ink tank as described, and an ink-jet printing head; (iii) an ink-jet printing apparatus composed of an ink-jet cartridge, including an ink tank, an ink-jet printing head, and a detachable carriage; and (iv) a process in which an ink absorbing body is prepared, a casing is prepared, the body is inserted into the casing, and ink is injected into the body.

Preferably, the fibre contains polypropylene as the primary component. The cloud point of the surfactant in the ink is higher than or equal to 65 deg. C.

USE - The ink absorbing body is used in the making of an ink tank, which in turn is used to make an ink-jet cartridge used in ink-jet printing apparatus.

ADVANTAGE - Use of the surfactant on the fibres provides optimal performance of the ink absorbing body. No problems of printing properties are observed in fixing ability and bleeding, and no problem occurs even at high temperature storage, such as 60 deg. C. Ink can be efficiently maintained in the absorbing body by simple injection means.

CHOSEN-DRAWING: Dwg.0/11

TITLE-TERMS: INK ABSORB BODY STORAGE INK INJECTION INK TANK COMPRISE SURFACTANT
DEPOSIT FIBRE SURFACE INK ADD

DERWENT-CLASS: A17 A89 G05 P75 T04

CPI-CODES: A12-W07F; G05-F03;

EPI-CODES: T04-G02;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ; H0000 ; S9999 S1070*R ; P1150 ; P1343 Polymer Index [1.2] 018 ; ND01 ; Q9999 Q8786 Q8775 ; K9461 Polymer Index [2.1] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ; P0975*R P0964 F34 D01 D10 ; P0055 ; H0000 ; M9999 M2153*R ; M9999 M2186 Polymer Index [2.2] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ; H0000 ; P8004 P0975 P0964 D01 D10 D11 D50 D82 F34 ; P0055 ; M9999 M2153*R ; M9999 M2186 Polymer Index [2.3] 018 ; ND01 ; Q9999 Q8786 Q8775 ; K9461 Polymer Index [2.4] 018 ; Q9999 Q9110 ; K9632 K9621

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-080238

Non-CPI Secondary Accession Numbers: N1997-203833

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Clip Img	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	------------	----------	-------

☐ 2. Document ID: KR 235167 B1, EP 756935 A2, AU 9660835 A, CA 2182468 A, JP 09183236 A, KR 97010117 A, MX 9603106 A1, TW 339315 A, AU 715362 B, CA 2182468 C

L7: Entry 2 of 2

File: DWPI

Dec 15, 1999

DERWENT-ACC-NO: 1997-110926

DERWENT-WEEK: 200112

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Ink absorber housed in ink tank housing capable of retaining ink - has outer surface equal to or corresp. to shape of internal surface of housing, comprises fibre material obtained by compressing fibre body and thermally moulded to its surface, ink absorber has fibre bodies stacked on another

INVENTOR: HIGUMA, M; HINAMI, J ; IKETANI, M ; MASUDA, K ; MATSUO, K ; ONO, T ; OSADA, T ; SHIMIZU, E ; SUGITANI, H ; YAMAMOTO, H ; OLETAMO, M

PATENT-ASSIGNEE:

ASSIGNEE	CODE
CANON KK	CANO

PRIORITY-DATA: 1996JP-0194716 (July 24, 1996), 1995JP-0197409 (August 2, 1995), 1995JP-0285958 (November 2, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 235167 B1	December 15, 1999	N/A	000	B41J002/01
EP 756935 A2	February 5, 1997	E	021	B41J002/175
AU 9660835 A	February 6, 1997	N/A	000	B41J002/175
CA 2182468 A	February 3, 1997	N/A	000	B41J002/18
JP 09183236 A	July 15, 1997	N/A	012	B41J002/175
KR 97010117 A	March 27, 1997	N/A	000	B41J002/01
MX 9603106 A1	June 1, 1997	N/A	000	B41L027/00
TW 339315 A	September 1, 1998	N/A	000	B41F031/08
AU 715362 B	February 3, 2000	N/A	000	B41J002/175
CA 2182468 C	January 9, 2001	E	000	B41J002/18

DESIGNATED-STATES: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR 235167B1	August 2, 1996	1996KR-0032315	N/A
EP 756935A2	August 1, 1996	1996EP-0112445	N/A
AU 9660835A	July 31, 1996	1996AU-0060835	N/A
CA 2182468A	July 31, 1996	1996CA-2182468	N/A
<u>JP 09183236A</u>	<u>July 24, 1996</u>	<u>1996JP-0194716</u>	<u>N/A</u>
KR 97010117A	August 2, 1996	1996KR-0032315	N/A
MX 9603106A1	July 31, 1996	1996MX-0003106	N/A
TW 339315A	August 2, 1996	1996TW-0109348	N/A
AU 715362B	July 31, 1996	1996AU-0060835	N/A
AU 715362B		AU 9660835	Previous Publ.
CA 2182468C	July 31, 1996	1996CA-2182468	N/A

INT-CL (IPC): B41F 31/08; B41J 2/01; B41J 2/175; B41J 2/18; B41L 27/00; D04H 1/45; D04H 1/48

ABSTRACTED-PUB-NO: EP 756935A

BASIC-ABSTRACT:

The ink absorber (26) has an outer surface equal to or corresp. to the shape of the internal surface of the housing. It comprises a fibre material obtained by compressing a fibre body and thermally moulding its surface.

The ink absorber has two or more fibre bodies stacked on one another. The fibre bodies are of different sizes and types which have different melting points from each other. The fibre body is a polyolefin based material.

ADVANTAGE - Uses fibres as ink absorber to provide ink absorber suitably fit to complex configuration of ink tank.

CHOSEN-DRAWING: Dwg.1/15

TITLE-TERMS: INK ABSORB HOUSE INK TANK HOUSING CAPABLE RETAIN INK OUTER SURFACE
EQUAL CORRESPOND SHAPE INTERNAL SURFACE HOUSING COMPRISE FIBRE MATERIAL OBTAIN
COMPRESS FIBRE BODY THERMAL MOULD SURFACE INK ABSORB FIBRE BODY STACK

DERWENT-CLASS: P74 P75 T04

EPI-CODES: T04-G02; T04-G07; T04-L05;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-091786

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Clip Img	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	----------	-------

Generate Collection

Term	Documents
(6 AND 5).DWPI.	2

Display

10

Documents, starting with Document:

2

Display Format:

FULL

Change Format

WEST☐ Generate Collection

L1: Entry 1 of 1

File: DWPI

Dec 15, 1999

DERWENT-ACC-NO: 1997-110926

DERWENT-WEEK: 200112

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Ink absorber housed in ink tank housing capable of retaining ink - has outer surface equal to or corresp. to shape of internal surface of housing, comprises fibre material obtained by compressing fibre body and thermally moulded to its surface, ink absorber has fibre bodies stacked on another

INVENTOR: HIGUMA, M; HINAMI, J ; IKETANI, M ; MASUDA, K ; MATSUO, K ; ONO, T ; OSADA, T ; SHIMIZU, E ; SUGITANI, H ; YAMAMOTO, H ; OLETAMO, M

PRIORITY-DATA: 1996JP-0194716 (July 24, 1996), 1995JP-0197409 (August 2, 1995), 1995JP-0285958 (November 2, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 235167 B1	December 15, 1999	N/A	000	B41J002/01
EP 756935 A2	February 5, 1997	E	021	B41J002/175
AU 9660835 A	February 6, 1997	N/A	000	B41J002/175
CA 2182468 A	February 3, 1997	N/A	000	B41J002/18
JP 09183236 A	July 15, 1997	N/A	012	B41J002/175
KR 97010117 A	March 27, 1997	N/A	000	B41J002/01
MX 9603106 A1	June 1, 1997	N/A	000	B41L027/00
TW 339315 A	September 1, 1998	N/A	000	B41F031/08
AU 715362 B	February 3, 2000	N/A	000	B41J002/175
CA 2182468 C	January 9, 2001	E	000	B41J002/18

INT-CL (IPC): B41F 31/08; B41J 2/01; B41J 2/175; B41J 2/18; B41L 27/00; D04H 1/45; D04H 1/48

ABSTRACTED-PUB-NO: EP 756935A

BASIC-ABSTRACT:

The ink absorber (26) has an outer surface equal to or corresp. to the shape of the internal surface of the housing. It comprises a fibre material obtained by compressing a fibre body and thermally moulding its surface.

The ink absorber has two or more fibre bodies stacked on one another. The fibre bodies are of different sizes and types which have different melting points from each other. The fibre body is a polyolefin based material.

ADVANTAGE - Uses fibres as ink absorber to provide ink absorber

ADVANTAGE - Uses fibres as ink absorber to provide ink absorber suitably fit to complex configuration of ink tank.

WEST**Generate Collection****Search Results - Record(s) 1 through 1 of 1 returned.**

- ☐ 1. Document ID: KR 235167 B1, EP 756935 A2, AU 9660835 A, CA 2182468 A, JP 09183236 A, KR 97010117 A, MX 9603106 A1, TW 339315 A, AU 715362 B, CA 2182468 C
C Relevance Rank: 99

L1: Entry 1 of 1

File: DWPI

Dec 15, 1999

DERWENT-ACC-NO: 1997-110926

DERWENT-WEEK: 200112

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Ink absorber housed in ink tank housing capable of retaining ink - has outer surface equal to or corresp. to shape of internal surface of housing, comprises fibre material obtained by compressing fibre body and thermally moulded to its surface, ink absorber has fibre bodies stacked on another

INVENTOR: HIGUMA, M; HINAMI, J ; IKETANI, M ; MASUDA, K ; MATSUO, K ; ONO, T ; OSADA, T ; SHIMIZU, E ; SUGITANI, H ; YAMAMOTO, H ; OLETAMO, M

PRIORITY-DATA: 1996JP-0194716 (July 24, 1996), 1995JP-0197409 (August 2, 1995), 1995JP-0285958 (November 2, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 235167 B1	December 15, 1999	N/A	000	B41J002/01
EP <u>756935</u> A2	February 5, 1997	E	021	B41J002/175
AU 9660835 A	February 6, 1997	N/A	000	B41J002/175
CA 2182468 A	February 3, 1997	N/A	000	B41J002/18
JP 09183236 A	July 15, 1997	N/A	012	B41J002/175
KR 97010117 A	March 27, 1997	N/A	000	B41J002/01
MX 9603106 A1	June 1, 1997	N/A	000	B41L027/00
TW 339315 A	September 1, 1998	N/A	000	B41F031/08
AU 715362 B	February 3, 2000	N/A	000	B41J002/175
CA 2182468 C	January 9, 2001	E	000	B41J002/18

INT-CL (IPC): B41F 31/08; B41J 2/01; B41J 2/175; B41J 2/18; B41L 27/00; D04H 1/45; D04H 1/48

ABSTRACTED-PUB-NO: EP 756935A

BASIC-ABSTRACT:

The ink absorber (26) has an outer surface equal to or corresp. to the shape of the internal surface of the housing. It

to the shape of the internal surface of the housing. It comprises a fibre material obtained by compressing a fibre body and thermally moulding its surface.

The ink absorber has two or more fibre bodies stacked on one another. The fibre bodies are of different sizes and types which have different melting points from each other. The fibre body is a polyolefin based material.

ADVANTAGE - Uses fibres as ink absorber to provide ink absorber suitably fit to complex configuration of ink tank.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Clip Img	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	----------	-------

Generate Collection

Terms	Documents
756935	1

Display

50

Documents, starting with Document:

1

Display Format:

REV

Change Format